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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/388,063
Filing Date	August 30, 1999
First Named Inventor	Vishnu K. Agarwal
Group Art Unit	2811
Examiner Name	Unassigned
Total Number of Pages in This Submission	12
Attorney Docket Number	MI22-1196

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence, or Assignment w/attached	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return postcard receipt
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Mark S. Matkin, Reg. No. 32,268 Wells, St. John, Roberts, Gregory & Matkin, P.S.
Signature	
Date	1/10/00

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 1/10/2000

Typed or printed name	Cheryl Boies
Signature	
Date	1/10/2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Application	Serial No.	09/388,063
Filing Date		August 30, 1999
Inventor		Vishnu K. Agarwal et al.
Assignee		Micron Technology, Inc.
Group Art Unit		Unknown
Examiner		Unknown
Attorney's Docket No.		MI22-1196
Title: Capacitors Having a Capacitor Dielectric Layer Comprising a Metal Oxide Having Multiple Different Metals Bonded With Oxygen		

To: Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

MICRON TECHNOLOGY, INC., the Assignee of the entire right,
title and interest in the above-identified patent application by assignment
attached hereto, hereby appoints the attorneys and agents of the firm
of WELLS, ST. JOHN, ROBERTS, GREGORY & MATKIN P.S., listed
as follows:

Richard J. St. John	Reg. No. 19,363
David P. Roberts	Reg. No. 23,032
Randy A. Gregory	Reg. No. 30,386
Mark S. Matkin	Reg. No. 32,268
James L. Price	Reg. No. 27,376
Deepak Malhotra	Reg. No. 33,560
Mark W. Hendricksen	Reg. No. 32,356
David G. Latwesen	Reg. No. 38,533
George G. Grigel	Reg. No. 31,166
Keith D. Grzelak	Reg. No. 37,144
James D. Shaurette	Reg. No. 39,833
Frederick M. Fliegel	Reg. No. 36,138
Donald Brent Kenady	Reg. No. 40,045
James E. Lake	Reg. No. 44,854

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1 and also attorneys Michael L. Lynch (Reg. No. 30,871) and Lia Pappas
2 Dennison (Reg. No. 34,095) of Micron Technology, Inc., as its attorneys
3 with full power of substitution to prosecute this application and transact
4 all business in the Patent and Trademark Office connected therewith.

5 / The Assignee certifies that the above-identified Assignment has
6 been reviewed and to the best of Assignee's knowledge and belief, title
7 is in the Assignee, and a copy of the Assignment is submitted herewith.

8 Please direct all correspondence regarding this application to:

9 Customer No. 021567
10 Wells, St. John, Roberts, Gregory & Matkin P.S.
11 Attn: Mark S. Matkin
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828

12 Telephone: (509) 624-4276
13 Facsimile: (509) 838-3424

14 MICRON TECHNOLOGY, INC.

15
16 Dated: Jan 6, 2000

By: 

17 Name: Michael L. Lynch, Esq.
18 Title: Chief Patent Counsel

19 Attachment: *Copy of Assignment; Copy of Board of Directors' Resolution*
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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTOR:

Husam N. Al-Shareef

ASSIGNEE:

Micron Technology, Inc.
Corporation of the State of Delaware
8000 South Federal Way
Boise, Idaho 83706-9632



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COPY

BACKGROUND OF THIS ASSIGNMENT:

INVENTOR has conceived certain new and useful inventions disclosed in a United States Patent Application Serial No. 09/388,063, filed August 30, 1999, titled **Capacitors Having A Capacitor Dielectric Layer Comprising A Metal Oxide Having Multiple Different Metals Bonded With Oxygen.**

MICRON TECHNOLOGY, INC. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt sufficiency and adequacy of which is hereby acknowledged, INVENTOR hereby sells, assigns and transfers to ASSIGNEE the entire right and interest in the above-identified application and to any reissues, renewals,

1 divisions or continuations thereof, and hereby authorizes the
2 Commissioner of Patents and Trademarks to issue such Letters Patent
3 to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

4 INVENTOR further agrees to execute, at the request and expense
5 of ASSIGNEE such other formal documents as may be required to fully
6 convey the interest transferred herein and will similarly execute any
7 application papers required for the filing of any division, continuation,
8 renewal or reissue of the patent application or resulting Letters Patent;
9 and will generally do everything necessary or desirable to obtain and
10 enforce proper protection for the invention assigned hereby.

11 INVENTOR further assigns to ASSIGNEE the whole right, title
12 and interest in the inventions disclosed in the application throughout all
13 countries foreign to the United States. ASSIGNEE is hereby authorized
14 to apply for patents relating to the inventions in its own name in
15 countries where such procedure is proper; to claim the benefit of the
16 International Convention; to file and prosecute International Applications
17 relating to the inventions under the Patent Cooperation Treaty; and to
18 file and prosecute applications relating to the inventions under the
19 European Patent Convention. INVENTOR agrees to execute applications
20 relating to the inventions in those countries and under those conventions
21 where it is necessary that the same be executed by the inventor, and
22 to execute assignments of such applications and the resulting Letters
23 Patent to ASSIGNEE as well as all other necessary papers in relation
24 to such applications and Letters Patent.

1 INVENTOR further warrants and covenants that no assignment,
2 grant, mortgage, license or other agreement affecting the rights and
3 property herein conveyed has been or will be made to others by the
4 undersigned, and that the full rights to convey the same as herein
5 expressed is possessed by the undersigned.

6 To be binding on the heirs, assigns, representatives and successors
7 of the undersigned and extend to the successors, assigns and nominees
8 of the Assignees.

9 Executed this 20th day of December, 99, at
10 9:00 AM (Austin, Texas) _____

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13 Husam N. Al-Shareef
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ASSIGNMENTPARTIES TO THE ASSIGNMENT:INVENTORS:

Vishnu K. Agarwal
Husam N. Al-Shareef

ASSIGNEE:

Micron Technology, Inc.
Corporation of the State of Delaware
8000 South Federal Way
Boise, Idaho 83706-9632

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TECHNOLOGY CENTER 2800

BACKGROUND OF THIS ASSIGNMENT:

INVENTORS have conceived certain new and useful inventions disclosed in a United States patent application titled Capacitors Having a Capacitor Dielectric Layer Comprising a Metal Oxide Having Multiple Different Metals Bonded With Oxygen.

MICRON TECHNOLOGY, INC. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt sufficiency and adequacy of which is hereby acknowledged, INVENTORS hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified application executed currently with this

1 assignment and to any reissues, renewals, divisions or continuations
2 thereof, and hereby authorizes the Commissioner of Patents and
3 Trademarks to issue such Letters Patent to ASSIGNEE for the sole use
4 of ASSIGNEE, its successors or assigns.

5 INVENTORS further agree to execute, at the request and expense
6 of ASSIGNEE such other formal documents as may be required to fully
7 convey the interest transferred herein and will similarly execute any
8 application papers required for the filing of any division, continuation,
9 renewal or reissue of the patent application or resulting Letters Patent;
10 and will generally do everything necessary or desirable to obtain and
11 enforce proper protection for the inventions assigned hereby.

12 INVENTORS further assign to ASSIGNEE the whole right, title
13 and interest in the inventions disclosed in the application throughout all
14 countries foreign to the United States. ASSIGNEE is hereby authorized
15 to apply for patents relating to the inventions in its own name in
16 countries where such procedure is proper; to claim the benefit of the
17 International Convention; to file and prosecute International Applications
18 relating to the inventions under the Patent Cooperation Treaty; and to
19 file and prosecute applications relating to the inventions under the
20 European Patent Convention. INVENTORS agree to execute applications
21 relating to the inventions in those countries and under those conventions
22 where it is necessary that the same be executed by the inventor, and
23 to execute assignments of such applications and the resulting Letters
24

1 Patent to ASSIGNEE as well as all other necessary papers in relation
2 to such applications and Letters Patent.

3 INVENTORS further warrant and covenant that no assignment,
4 grant, mortgage, license or other agreement affecting the rights and
5 property herein conveyed has been or will be made to others by the
6 undersigned, and that the full rights to convey the same as herein
7 expressed is possessed by the undersigned.

8 To be binding on the heirs, assigns, representatives and successors
9 of the undersigned and extend to the successors, assigns and nominees
10 of the Assignees.

11 (Signature)

VISHNU K. AGARWAL

Date:

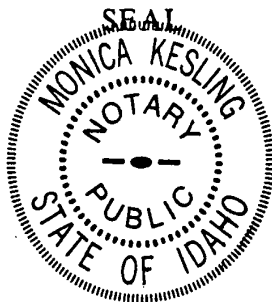
13th August, 1999

12
13 State of Idaho

) ss.

14 County of Ada

15 BEFORE ME, this 13 day of August 1999
16 personally appeared the above-named inventor, to me known to be the
17 person who is described in and who executed the foregoing assignment
instrument and acknowledged to me that he/she executed the same of
his/her own free will for the purpose therein expressed.



Monica Kesling
Notary or Consular Officer

My Commission Expires: 5-17-2006

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(Signature) _____ Date: _____
HUSAM N. AL-SHAREEF

State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____ 19____
personally appeared the above-named inventor, to me known to be the
person who is described in and who executed the foregoing assignment
instrument and acknowledged to me that he/she executed the same of
his/her own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

MICRON TECHNOLOGY, INC.
CERTIFIED COPY OF RESOLUTIONS

I, Jan R. Reimer, the Assistant Secretary of Micron Technology, Inc. do hereby certify, that the resolutions attached hereto represent a complete, true and correct copy of the resolutions duly adopted by the Board of Directors of Micron Technology, Inc., a corporation duly organized and existing under the laws of the State of Delaware, at a meeting duly held on March 25, 1996, a quorum being present, and have been entered into the minutes of said meeting; that I am the keeper of the corporate seal and of the minutes and records of this Corporation; and that the said resolutions have not been rescinded or modified.

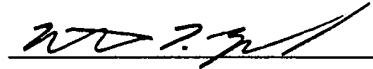
The resolutions attached hereto are in conformity with the Articles of Incorporation and Bylaws of the Corporation and are now in full force and effect.

I further certify that the person whose name and signature is set out below is the person authorized to act for said corporation in transactions with and pursuant to the foregoing resolutions, and that such person is now duly qualified and acting in his respective capacity:

NAME AND TITLE

SIGNATURE

Michael L. Lynch, Assistant General
Counsel for Intellectual Property



IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the said corporation, this 16th day of May, 1996.


Jan R. Reimer, Assistant Secretary

(SEAL)

MICRON TECHNOLOGY, INC.
BOARD OF DIRECTORS RESOLUTIONS

WHEREAS, certain key employees require the authority to execute certain documents on behalf of the Company in order to enable them to effectively and efficiently carry out their responsibilities and duties to the Company.

NOW THEREFORE BE IT RESOLVED, that the Board hereby approves and authorizes Mr. Michael L. Lynch, Assistant General Counsel for Intellectual Property, to execute on behalf of the Company, documents pertaining to the Company's patent prosecution matters, including but not limited to documents relating to representation before a patent examining authority, patent terms and other patent prosecution procedures, both in the United States and other countries, upon such terms and conditions as the General Counsel of the Company shall deem necessary or appropriate.